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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,454	09/30/2003	Jian Zhang		2453

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EXAMINER

LUONG, SHIAN TINH NHAN

ART UNIT PAPER NUMBER

3728

DATE MAILED: 12/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/605,454

Applicant(s)

ZHANG ET AL.

Examiner

Shian T. Luong

Art Unit

3728

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

Claim Rejections - 35 USC § 112

1. Claim 6 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 6 is indefinite because it is not clear whether the bulges in claim 6 and the uneven surface in the independent claim 4 is of the same structure. For the purpose of this Office Action, it is assumed that they are of the same structure. Claim 7 is also indefinite because the upper surface of the soleplate cannot be a plane surface with it has the supporting bars. In claim 8, the term “upward plane” on the components are indefinite. It is unclear as to what structure applicant intends to claim.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1,3-4,6-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Blondin et al. (US 6,176,374). Blondin et al. discloses an elongated base with a plurality of receiving zones. Each receiving zone has a soleplate with a slick upper plane and a lower plane. The flat plate area within each of the receiving zones is considered a soleplate. A plurality of bulges are located on the lower plane as shown in Figures 5C and 6C. The carrier has component therein with upward protrusions 58. A plurality of carriers is stacked vertically one above another.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted Prior Art on page 1-2 of the specification in view of Blondin et al. and/or Emoto et al. (US 5,988,394) and/or Soh et al. (US 6,612,442). Admitted Prior Art discloses stacked trays for electronic components. The electronic component has a pick up cap with a plane top surface. The package is provided with a plurality of plane soleplates. Admitted Prior Art, however, does not disclose the bulges and the supporting bars. But Blondin et al. discloses an elongated base with a plurality of receiving zones. Each receiving zone has a soleplate with a slick upper plane and a lower plane. A plurality of bulges are located on the lower plane as shown in Figures 5C and 6C. The carrier has component therein with upward protrusions 58. A plurality of carriers is stacked vertically one above another. Soh et al. also shows a tray for storing chips. Each receiving area has supporting bar for supporting the chip. The bottom of the receiving area or plate has bulging or uneven surface as shown in Figures 5 and 13. Similarly, Emoto et al. teaches a tray with supporting bars and bulges shown in Figures 2-3. The main purpose of the bulge is to position the stacked tray with respect to one another. It would have been obvious in view of Blondin et al. and/or Emoto et al. and/or Soh et al. to provide bulges on the bottom surface for stacking purpose or to protect the components.

Conclusion


Telephone inquiries regarding the status of applications or other general questions, by persons entitled to the information, should be directed to the group clerical personnel and not to the examiners. In as much as the official records and applications are located in the clerical section of the examining groups, the clerical personnel can readily provide status information without contacting the examiners, M.P.E.P. 203.08.

If in receiving this Office Action it is apparent to applicant that certain documents are missing, e.g., copies of references cited, form PTO-1449, form PTO-892, etc., requests for copies of such papers should be directed to Erica Miller at (571) 272-4370.

For applicant's convenience, the official FAX number is 571-273-8300. This practice may be used for filing papers not requiring a fee. It may also be used for filing papers which require a fee by applicants who authorize charges to a PTO deposit account. Please identify Examiner Luong of Art Unit 3728 at the top of your cover sheet of any correspondence submitted.

Inquiries concerning the merits of the examination should be directed to Shian Luong whose telephone number is (571) 272-4557. The examiner can normally be reached on M-H from 7:00am to 4:00pm EST.

STL
December 11, 2005


Primary Examiner
Shian Luong
Art Unit 3728